

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 3/19/2007 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 5/15/07 Serial # 10/701,977 Priority Application Filing Date 3/14/06Your Name M. Lewis Examiner # 73172AU 2829 Phone 202-1838 Room 5A39In what format would you like your results? Paper is the default. PAPER DISK EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Need before
SP23

Where have you searched so far on this case?

Circle: USPAT USPGPUB DWPI EPO Abs JPO Abs IBM TDB

Other: _____

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

MAY 18 REC'D

What types of references would you like? Please checkmark:

Primary Refs Nonpatent Literature Teaching Refs
Secondary Refs Foreign Patents Other If this is a "Fast & Focused Search" request, put a checkmark here: And then please speak in-person immediately with the
EIC2800 Technical Information Specialist or with an EIC2800 Searcher.A "Fast & Focused Search" is completed in 2 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-pattr-2/siraapps/stic/npl/nplsearch.htm>

In your own words, what is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 14, 15 & 19

MOS

Problem: See pages 1-2
Solution: " " 2-8

Scall

Please do an updated search.

(6,116,771) (6,060,399)
(6,333,541)

Staff Use Only

Searcher: Michael OliverSearcher Phone: 571-272-2663

Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 5/23/2007Date Completed: 5/23/2007Searcher Prep/Rev Time: 39Online Time: 69

Type of Search

Structure (#) _____

Bibliographic

Litigation _____

Fulltext _____

Patent Family _____

Other _____

Vendors

STN _____

Dialog

Questel/Orbit _____

Lexis-Nexis _____

WWW/Internet _____

Other _____

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[File 2] INSPEC 1898-2006/Jan W2
 [File 6] NTIS 1964-2006/Jan W4
 [File 8] Ei Compendex(R) 1970-2006/Jan W4
 [File 34] SciSearch(R) Cited Ref Sci 1990-2006/Jan W4
 [File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
 [File 35] Dissertation Abs Online 1861-2006/Jan
 [File 65] Inside Conferences 1993-2006/Jan W5
 [File 99] Wilson Appl. Sci & Tech Abs 1983-2006/Apr
 [File 144] Pascal 1973-2006/Jan W2
 [File 23] CSA Technology Research Database 1963-2006/Jan
 [File 103] Energy SciTec 1974-2006/Jan B1
 [File 31] World Surface Coatings Abs 1976-2006/Jan
 [File 95] TEME-Technology & Management 1989-2006/Jan W5
 [File 56] Computer and Information Systems Abstracts 1966-2006/Aug
 [File 57] Electronics & Communications Abstracts 1966-2006/Aug
 [File 68] Solid State & Superconductivity Abstracts 1966-2006/Jan
 [File 60] ANTE: Abstracts in New Tech & Engineer 1966-2006/Jan
 [File 293] Engineered Materials Abstracts 1966-2006/Jan
 [File 239] Mathsci 1940-2005/Feb
 [File 256] TECINFO SOURCE 82-2005/DEC

Set Items Description

S1 646330 S TRANSISTOR????? OR MOS(3N)TRANSISTOR????? OR
 (METAL()OXIDE()SEMICONDUCTOR) (3N)TRANSISTOR????? OR METALOXIDE()SEMICONDUCTOR OR NMOS OR PMOS OR
 METALOXIDE OR METAL()OXIDE OR (MOS OR METAL()OXIDE()SEMICONDUCTOR) (3N)MINIATUR???????

S2 21993 S GATE(3N) (ELECTROD????? OR ELECTROD????? OR PROB????? OR ANOD????? OR CATHOD????? OR
 PLATE??? OR CONDUCT?????)

S3 1785466 S (SILIC????? OR SI OR 1 OR FIRST??? OR SECOND??? OR 2)(3N)(LAYER????? OR
 FILM????? OR COAT????? OR SHEET????? OR GLAZ????? OR DEPOSIT????? OR LAMIN????? OR OVERLAY????? OR
 OVER()LAY????? OR THICK????? OR STACK??? OR MULTILAYER????? OR MULTI()LAYER????? OR VERTICAL????? OR
 FINISH????? OR MATERIAL????)

S4 43513 S GATE(3N) (LENGTH????? OR WIDTH????? OR DIMENSION????? OR SIZE????? OR THICK?????????
 OR BREADTH?????)

S5 237083 S (INSULAT????? OR ISOLAT?????) (3N)(LAYER????? OR FILM????? OR COAT????? OR
 SHEET????? OR GLAZ????? OR DEPOSIT????? OR LAMIN????? OR OVERLAY????? OR OVER()LAY????? OR THICK?????
 OR STACK??? OR MULTILAYER????? OR MULTI()LAYER????? OR VERTICAL????? OR FINISH????? OR MATERIAL????)

S6 22841 S DUMM????? OR DGN OR DGP OR DUMMY(3N)(ELECTROD????? OR PROB????? OR ANOD????? OR
 CATHOD????? OR PLAT????? OR CONDUCT????? OR PATTERN?????)

S7 21038852 S SIDEWALL??? OR SIDE()WALL??? OR PART????????? OR RETAIN????? OR PANEL????? OR
 SIDE??? OR SURFAC????? OR PLAT?????

S8 51329 S (ELECTROD????? OR PROB????? OR ANOD????? OR CATHODE????? OR PLAT????? OR
 CONDUCT?????) (3N) PATTERN????

S9 4241 S (SILICIDE(N)LAYER?????) (10N)(SILICIDE(N)LAYER?????)
 S10 0 S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9
 S11 414 S S1 AND S2 AND S3 AND S4
 S12 11 S S11 AND S6
 S13 5 RD (unique items)
 S14 55 S S11 AND S5
 S15 19 S S14 AND S7
 S16 12 RD (unique items)
 S17 0 S S14 AND S8
 S18 0 S S14 AND S9
 S19 5 S S11 AND S9
 S20 3 RD (unique items)
 S21 0 S S1(3N)S2(3N)S6 AND S7
 S22 3 S S1(3N)S4(3N)S6
 S23 3 RD (unique items)
 S24 38 S S1 AND S2 AND S6
 S25 17 S S24 AND S3

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S26	8	RD (unique items)
S27	19	S S24 AND S4
S28	7	RD (unique items)
S29	0	S S24 AND S5
S30	19	S S24 AND S7
S31	7	RD (unique items)
S32	5	S S24 AND S8
S33	2	RD (unique items)
S34	0	S S24 AND S9
S35	0	S S1(3N)S9(3N)S2
S36	46	S S1(3N)S9
S37	0	S S36 AND S2
S38	46	S S36 AND S3
S39	0	S S38 AND S4
S40	0	S S38 AND S5
S41	0	S S38 AND S6
S42	7	S S38 AND S7
S43	2	RD (unique items)
S44	0	S S38 AND S8
S45	3	S S20 NOT S13
S46	3	S S23 NOT (S13 OR S20)
S47	4	S S26 NOT (S13 OR S20 OR S23)
S48	2	S S28 NOT (S13 OR S20 OR S23 OR S26)
S49	3	S S31 NOT (S13 OR S20 OR S23 OR S26 OR S28)
S50	1	S S33 NOT (S13 OR S20 OR S23 OR S26 OR S28 OR S31)
S51	2	S S43 NOT (S13 OR S20 OR S23 OR S26 OR S28 OR S31 OR S33)
S52	12	S S16 NOT (S13 OR S20 OR S23 OR S26 OR S28 OR S31 OR S33 OR S43)

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[File 344] Chinese Patents Abs Jan 1985-2006/Jan
 [File 347] JAPIO Nov 1976-2005/Sep(Updated 060103)
 [File 350] Derwent WPIX 1963-2006/UD, UM &UP=200607
 [File 371] French Patents 1961-2002/BOP1 200209

Set	Items	Description
S1	585928	S TRANSISTOR????? OR MOS(3N)TRANSISTOR????? OR $(\text{METAL}(\text{)})\text{OXIDE}(\text{SEMICONDUCTOR})$ (3N)TRANSISTOR????? OR METALOXIDE()SEMICONDUCTOR OR NMOS OR PMOS OR METALOXIDE OR METAL()OXIDE OR (MOS OR METAL()SEMICONDUCTOR) (3N)MINIATUR???????
S2	116966	S GATE(3N) (ELECTROD????? OR ELECTROD????? OR PROB????? OR ANOD????? OR CATHOD????? OR PLATE??? OR CONDUCT?????)
S3	1863568	S (SILIC????? OR SI OR 1 OR FIRST??? OR SECOND????? OR 2) (3N) (LAYER????? OR FILM????? OR COAT????? OR SHEET????? OR GLAZ????? OR DEPOSIT????? OR LAMIN????? OR OVERLAY????? OR OVER()LAY????? OR THICK????? OR STACK??? OR MULTILAYER????? OR MULTI()LAYER????? OR VERTICAL????? OR FINISH????? OR MATERIAL????)
S4	19060	S GATE(3N) (LENGTH?????? OR WIDTH????? OR DIMENSION????? OR SIZE????? OR THICK??????? OR BREADTH?????)
S5	554718	S (INSULAT????? OR ISOLAT?????) (3N) (LAYER????? OR FILM????? OR COAT????? OR SHEET????? OR GLAZ????? OR DEPOSIT????? OR LAMIN????? OR OVERLAY????? OR OVER()LAY????? OR THICK????? OR STACK??? OR MULTILAYER????? OR MULTI()LAYER????? OR VERTICAL????? OR FINISH????? OR MATERIAL????)
S6	39721	S DUMM????? OR DGN OR DGP OR DUMMY(3N) (ELECTROD????? OR PROB????? OR ANOD????? OR CATHOD??? OR PLAT????? OR CONDUCT????? OR PATTERN?????)
S7	12706946	S SIDEWALL??? OR SIDE()WALL??? OR PART??????? OR RETAIN??? OR PANEL????? OR SIDE??? OR SURFAC????? OR PLAT?????
S8	91742	S (ELECTROD????? OR PROB????? OR ANOD????? OR CATHODE????? OR PLAT????? OR CONDUCT?????) (3N) PATTERN????
S9	56	S ((FIRST OR 1) () (SILICIDE() LAYER)) (7N) ((SECOND?? OR 2) () (SILICIDE() LAYER))
S10	140307	S IC=(H01L-021/28 OR H01L-021/336 OR H01L-027/06 OR H01L-027/088 OR H01L-029/78 OR H01L-027/105 OR H01L-029/76 OR H01L-029/94 OR H01L-031/062 OR H01L-031/113 OR H01L-031/119 OR H01L-031/62)
S11	36729	S MC=(U12-D02A OR U11-C18A OR U12-A02B2B OR U12-A03 OR U12-C02A)
S12	1	S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9
S13	16	S S1 AND S2 AND S9
S14	8	S S13 AND S10
S15	6	S S13 AND S11
S16	1	S S13 AND S6
S17	5	S S13 AND S4
S18	16	S S13 AND S3
S19	13	S S18 AND S5
S20	12	S S19 AND S7
S21	2	S S20 AND S8
S22	23	S S1(3N)S2(3N)S4 AND S6
S23	7	S S22 AND S3
S24	6	S S22 AND S5
S25	15	S S22 AND S7
S26	4	S S25 AND S8
S27	0	S S25 AND S9
S28	9	S S25 AND S10
S29	3	S S25 AND S11
S30	0	S S1(3N)S2(3N)S9
S31	18	S S1(3N)S4(3N)S6
S32	10	S S31 AND S2
S33	7	S S31 AND S3
S34	5	S S31 AND S5
S35	11	S S31 AND S7

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S36 1 S S31 AND S8
S37 0 S S31 AND S9
S38 7 S S14 NOT S12
S39 2 S S15 NOT (S12 OR S14)
S40 0 S S16 NOT (S12 OR S14 OR S15)
S41 1 S S17 NOT (S12 OR S14 OR S15 OR S16)
S42 0 S S21 NOT (S12 OR S14 OR S15 OR S16 OR S17)
S43 7 S S23 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21)
S44 3 S S24 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23)
S45 2 S S26 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23 OR S24)
S46 3 S S28 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23 OR S24 OR S26)
S47 0 S S29 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23 OR S24 OR S26 OR S28)

S48 6 S S33 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23 OR S24 OR S26 OR S28 OR
S29)

S49 1 S S34 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23 OR S24 OR S26 OR S28 OR
S29 OR S33)

S50 0 S S36 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23 OR S24 OR S26 OR S28 OR
S29 OR S33 OR S34)

S51 3 S S32 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23 OR S24 OR S26 OR S28 OR
S29 OR S33 OR S34 OR S36)

S52 2 S S35 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23 OR S24 OR S26 OR S28 OR
S29 OR S32 OR S33 OR S34 OR S36)

S53 2 S S25 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23 OR S24 OR S26 OR S28 OR
S29 OR S32 OR S33 OR S34 OR S35 OR S36)

S54 5 S S18 NOT (S12 OR S14 OR S15 OR S16 OR S17 OR S21 OR S23 OR S24 OR S25 OR S26 OR
S28 OR S29 OR S32 OR S33 OR S34 OR S35 OR S36)